ASSOCIATE IN ENGINEERING (A10500) CURRICULUM GUIDELINES

Name:	
Student ID:	Phone:
Sem Entered:	

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Graduate of High School within last 5 years with a GPA of 2.6 or higher and FRC code of 1-4 = exempt fro	n testing. O	∕es ○No
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Test Scores NCDAP/Acc	J	Writing (DRE Composite)	Math: DMA: 010	DMA 020	DMA 030_	DMA 040	DMA 050	_ DMA 060
○ Compass			Pre-Algebra	Algebra	Colle		Trig	
		Sent. Sk		Algebra Algebra		-		
SAT			_				Computer Test _	
O ACT							O CIS 070	
Pre-Curriculum DRE 096	•	ter Test Out [TO] or	semester requi	•		DMA 050	ΡΜΔ 07	70
		9 DM/						
* ACA 085								
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Students testing into both DMA and DRE, regardless of the level, are required to take ACA 085. ACA 085 must be completed before ENG 111

REQUIREMENTS FOR GRADUATION

I. GENERAL EDUCATION CORE (42 SHC)

A. UNIVERSAL GENERAL EDUCATION TRANSFER COMPONENT (UGETC)

1. English Composition (6 SHC)

The following **TWO ENGLISH COMPOSITION COURSES** are **REQUIRED**.

CHECK	SEM.	COURSE		SEM. HRS.	GRADE
COURSES	REG.			CREDIT	
0		ENG 111	Writing and Inquiry	3	
0		ENG 112	Writing/Research in the Disciplines	3	

2. Humanities/Fine Arts (6 SHC)

Select **ONE COURSE** from each category

CHECK SELECTED COURSES	SEM. REG.	COURSE	SEM. HRS. CREDIT	GRADE
0		Humanities: Choose One:		
0		ENG 231 American Literature I	3	
0		ENG 232 American Literature II	3	
0		PHI 215 Philosophical Issues	3	
0		PHI 240 Intro. to Ethics	3	
0		REL 110 World Religions	3*	
		(*REL 110 will transfer for equivalency credit to the engineering programs at all five UNC in undergraduate engineering programs. It may not transfer with equivalency to other program		ffer
0		Fine Arts and Communication: Choose One:		
0		ART 111 Art Appreciation	3	
0		ART 114 Art History Survey I	3	
0	•	ART 115 Art History Survey II	3	
0		COM 231 Public Speaking	3	
0		MUS 110 Music Appreciation	3	
0		MUS 112 Intro. to Jazz	3	

3. Social/Behavioral Sciences (6 SHC)

ONE COURSE required. Select **SECOND COURSE**.

CHECK SELECTED COURSES	SEM. REG.	COURSE	SEM. HRS. CREDIT	GRADE
		Required:		
0		ECO 251 Principles of Microeconomics	3	
		Choose One:		
0		HIS 111 World Civilizations I	3	
0		HIS 112 World Civilizations II	3	
0		HIS 131 American History I	3	
0		HIS 132 American History II	3	
0		POL 120 American Government	3	
0		PSY 150 General Psychology	3	
0		SOC 210 Intro. to Sociology	3	

4. Math (12 SHC)

*Calculus I is the lowest level math course that will be accepted by the engineering programs for transfer as a math credit. Students who are not calculus-ready will need to take additional math courses.

CHECK SELECTED COURSE	SEM. REG.	COURSE		SEM. HRS. CREDIT	GRADE
0		MAT 271	Calculus I	4	
0		MAT 272	Calculus II	4*	
0		MAT 273	Calculus III	4*	

5. Natural Sciences (12 SHC)

CHECK SELECTED COURSE	SEM. REG.	COURSE		SEM. HRS. CREDIT	GRADE
0		CHM 151	General Chemistry I	4	
0		PHY 251	General Physics I	4	
		PHY 252	General Physics I	4	

II. OTHER REQUIRED HOURS (18 SHC)

Student Signature _

SEM. COURSE	SEM. HRS.	GRADE
REG.	CREDIT	
Academic Transition (1 SHC)		
ACA 122 College Transfer Success	1	
Pre-Major Elective (2 SHC)		
EGR 150 Introduction to Engineering	2	

Other General Education and Pre-major Elective Hours (15 SHC)

Select 15 SHC of courses from the following courses classified as pre-major, elective, or general education courses within the Comprehensive Articulation Agreement.

Students should choose courses appropriate to the specific university and engineering major requirements.

SEM. REG.	COURSE		SEM. HRS.	GRADE
	BIO 111	General Biology I	4	
	CHM 152	General Chemistry II	4	
	COM 110	Introduction to Communication	3	
	CSC 134	C++ Programming	?	
	CSC 151	Java Programming	?	
	ECO 252	Principles of Macroeconomics	3	
	EGR 220	Engineering Statics	3	
	EGR 225	Engineering Dynamics	3	
	HUM 110	Technology and Society	3	
	MAT 285	Differential Equations	3	
	PED 110	Fitness and Wellness for Life	2	

Total Semester Hours Credit (SHC) in Program: 60-61**
**One semester hour of credit may be included in a 61 SHC Associate in Engineering program of study. The transfer of this hour is not guaranteed.
Student must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.
The degree plan includes required general education and prerequisite courses that are acceptable to all state funded Bachelor of Engineering programs. Students who follow the degree progression plan will meet the entrance requirements at all of the North Carolina public Bachelor of Science Engineering programs. Associate in Engineering graduates may then apply to any of these programs without taking additional and sometimes duplicate courses.
Admission to Engineering programs is highly competitive and admission is not guarenteed.
To be eligible for the transfer of credits under the AE to the Bachelor of Science in Engineering Articulation Agreement, community college graduates must obtain a grade of "C" or better in each course and an overall GPA of at least 2.5 on a 4.0 scale.
I have reviewed this information with my advisor and understand the course requirements that must be met to complete the program.

Advisor Signature